

Docket No. 247848US0/hc



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Seiichi HARA, et al.

SERIAL NO: 10/763,179

GAU: 1635

FILED: January 26, 2004

EXAMINER:

FOR: NOVEL PEPTIDE-FORMING ENZYME GENE

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references, some of which are cited in the attached International Search Report listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Norman F. Oblon

Vincent K. Shier, Ph.D.

Registration No. 50,552

Customer Number

**22850**

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 05/03)

Docket No. 247848US0/hc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Seiichi HARA, et al.

SERIAL NO: 10/763,179

GAU: 1635

FILED: January 26, 2004

EXAMINER:

FOR: NOVEL PEPTIDE-FORMING ENZYME GENE

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references, some of which are cited in the attached International Search Report listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Norman F. Oblon



Vincent K. Shier, Ph.D.

Registration No. 50,552

Customer Number

**22850**

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 05/03)

DOCKET NO.: 247848USO/hc

Page 1 of 1



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF:

Seiichi HARA, et al.

SERIAL NO: 10/763,179

GROUP: 1635

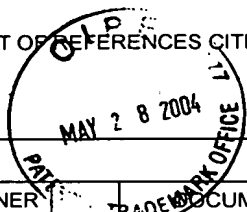
FILED: January 26, 2004

EXAMINER:

FOR: NOVEL PEPTIDE-FORMING ENZYME GENE

**STATEMENT OF RELEVANCY**

References AK through AP and AR through AU on Form PTO-1449 are discussed in the specification.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. <b>247848US0</b>		SERIAL NO. <b>10/763,179</b>	
LIST OF REFERENCES CITED BY APPLICANT 				APPLICANT <b>Seiichi HARA, et al.</b>			
				FILING DATE <b>January 26, 2004</b>		GROUP <b>1635</b>	
				<b>U.S. PATENT DOCUMENTS</b>			
EXAMINER INITIAL	TRADEMARK OFFICE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
		AA					
		AB					
		AC					
		AD					
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES                      NO		
	AE	WO 00/58478	10/05/2000	WIPO			
	AF	WO 99/61050	12/02/1999	WIPO			
	AG	2000-78971	03/21/2000	JAPAN (with English Abstract)			X
	AH	WO 03/010307	02/06/2003	WIPO (with English Abstract, corr. USSN 10/763,249))			X
	AI	WO 03/010187	02/06/2003	WIPO (with English Abstract, USSN 10/481,087)			X
	AJ	WO 03/010189	02/06/2003	WIPO (with English Abstract, USSN 10/476,885)			X
	AK	1-96194	04/14/1989	JAPAN (with English Abstract)			X
	AL	6-234715	08/23/1994	JAPAN (with English Abstract)			X
	AM	53-92729	08/15/1978	JAPAN (with English Abstract)			X
	AN	WO 90/01555	02/22/1990	WIPO			
	AO	0 278 787	08/17/1988	EUROPE			
	AP	0 359 399	03/21/1990	EUROPE			
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AQ	F. KRIEG, et al., Appl. Microbiol. Biotechnol., vol. 42, no. 6, pages 844-852, "ENZYMATIC PEPTIDE SYNTHESIS BY THE RECOMBINANT PROLINE-SPECIFIC ENDOPEPTIDASE FROM FLAVOBACTERIUM MENINGOSEPTICUM AND ITS MUTATIONALLY ALTERED Cys-556 VARIANT", March 1995					
	AR	S. AKABORI, et al., Bull. Chem. Soc. Jpn., Short Communications, vol. 34, page 739, "PROTECTION OF AMIDE-NITROGEN FOR PEPTIDE SYNTHESIS. A NOVEL SYNTHESIS OF PEPTIDES CONTAINING C-TERMINAL GLUTAMINE", May 1961					
	AS	Y. SHIMONISHI, et al., Bull. Chem. Soc. Jpn., vol. 35, no. 12, pages 1966-1970, "STUDIES ON THE SYNTHESIS OF PEPTIDES CONTAINING GLUTAMINE AS THE C-TERMINAL. I. PROTECTION OF AMIDE-NITROGEN WITH XANTHYL GROUP DURING PEPTIDE SYNTHESIS", December 1962					
	AT	Y. SHIMONISHI, Bull. Chem. Soc. Jpn., vol. 37, no. 2, pages 200-203, "STUDIES OF THE SYNTHESIS OF PEPTIDES CONTAINING C-TERMINAL GLUTAMINE. II. THE SYNTHESIS AND USE OF $\alpha$ -p-NITROBENZYL $\gamma$ -METHYL L-GLUTAMATE", February 1964					
	AU	K. MORIHARA, et al., Biochemical Journal, vol. 163, pages 531-542, " $\alpha$ -CHYMOTRYPSIN AS THE CATALYST FOR PEPTIDE SYNTHESIS", 1977					
	AV						<input type="checkbox"/> Additional References sheet(s) attached
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							